

DOCUMENTATION FOR MINOR PROJECT

1. Setup Project Environment

1. Create a new directory for your project.
2. Inside this directory, create three files: `index.html`, `style.css`, and `app.js`.

2. Design the UI

`index.html`

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Task Tracker</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Task Tracker</h1>
    <input type="text" id="new-task" placeholder="Add a new task">
    <button id="add-task-btn">Add Task</button>
    <ul id="task-list"></ul>
  </div>
  <script src="app.js"></script>
</body>
</html>
```

`style.css`

```
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  margin: 0;
  padding: 0;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

.container {
  background: #fff;
  padding: 20px;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  width: 300px;
  text-align: center;
```

```
}
```

```
h1 {  
  margin-bottom: 20px;  
}
```

```
input[type="text"] {  
  width: calc(100% - 22px);  
  padding: 10px;  
  margin-bottom: 10px;  
  border: 1px solid #ccc;  
  border-radius: 3px;  
}
```

```
button {  
  padding: 10px 15px;  
  border: none;  
  background: #28a745;  
  color: #fff;  
  border-radius: 3px;  
  cursor: pointer;  
}
```

```
button:hover {  
  background: #218838;  
}
```

```
ul {  
  list-style-type: none;  
  padding: 0;  
}
```

```
li {  
  padding: 10px;  
  background: #f9f9f9;  
  border: 1px solid #ddd;  
  border-radius: 3px;  
  margin-bottom: 10px;  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
}
```

```
button.edit-btn, button.delete-btn {  
  background: #ffc107;  
  border: none;  
  color: #fff;  
  padding: 5px 10px;
```

```
margin-left: 5px;
border-radius: 3px;
cursor: pointer;
}
```

```
button.delete-btn {
  background: #dc3545;
}
```

```
button.edit-btn:hover {
  background: #e0a800;
}
```

```
button.delete-btn:hover {
  background: #c82333;
}
```

3. Implement CRUD Operations

app.js

```
document.addEventListener('DOMContentLoaded', () => {
  const taskInput = document.getElementById('new-task');
  const addTaskBtn = document.getElementById('add-task-btn');
  const taskList = document.getElementById('task-list');
```

```
  addTaskBtn.addEventListener('click', addTask);
  taskList.addEventListener('click', modifyTask);
```

```
  function addTask() {
    const taskText = taskInput.value.trim();
    if (taskText === "") return;

    const li = document.createElement('li');
    li.innerHTML = `
      <span>${taskText}</span>
      <button class="edit-btn">Edit</button>
      <button class="delete-btn">Delete</button>
    `;
    taskList.appendChild(li);
    taskInput.value = "";
  }
```

```
  function modifyTask(e) {
    if (e.target.classList.contains('delete-btn')) {
      deleteTask(e.target);
    } else if (e.target.classList.contains('edit-btn')) {
      editTask(e.target);
    }
  }
}
```

```

function deleteTask(button) {
    const li = button.parentElement;
    taskList.removeChild(li);
}

function editTask(button) {
    const li = button.parentElement;
    const taskText = li.querySelector('span').textContent;
    const newTaskText = prompt('Edit task:', taskText);
    if (newTaskText !== null && newTaskText.trim() !== "") {
        li.querySelector('span').textContent = newTaskText.trim();
    }
}
});

```

4. Test Application

Make sure to test the application thoroughly to ensure that all CRUD operations (Create, Read, Update, Delete) work as expected.

5. Document Application

Documentation

Task Tracker Application

Setup Instructions:

1. Clone or download the project repository.
2. Open `index.html` in your preferred web browser.

Functionalities:

1. **Add Task:** Enter a new task in the input field and click "Add Task" to add it to the task list.
2. **Display Tasks:** The list of tasks is displayed below the input field.
3. **Update Task:** Click the "Edit" button next to a task to edit its content.
4. **Delete Task:** Click the "Delete" button next to a task to remove it from the list.

Screenshots:

1. Initial Screen:
2. Adding a Task:
3. Editing a Task:
4. Deleting a Task

